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High-resolution late Holocene record from lake Bayan Nuur (Uvs Aimag, Mongolia): the multu-proxy study

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Freshwater Lake Bayan Nuur (49.98 N, 93.95 E, 932 m a.s.l.) is located in the north of the Bor Khyariin Els sand dune in Zuun Govi Soum, Uvs aimag. It was previously investigated by Grunert et al. (2000); and then Tian et al. (2014) done a quantitative reconstruction of climate based on the pollen data for late glacial–Holocene. The time resolution of core sampling has not been very representative (210 yr). We present the new study with high-time resolution (ca 39 yr) covered last 3.8 kyr. The core BN2016 was obtained in 2016 from the depth of 30 m and was subdivided into several sets of samples for 14C; TOC and 13C/12C; diatom, cladocera and chironomid analyses. The funding of the work of NR has been provided by the Alexander von Humboldt Foundation (Ref 3.3 - RUS - 1151158 - HFST-E).

References:

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